

# Missouri Department of Natural Resources



## PUBLIC NOTICE

### DRAFT MISSOURI STATE OPERATING PERMIT

DATE: October 22, 2004

In accordance with the state Clean Water Law, Chapter 644, RSMo, Clean Water Commission regulation 10 CSR 20-6.010, and the federal Clean Water Act, the applicants listed herein have applied for authorization to either discharge to waters of the state or to operate a no-discharge wastewater treatment facility. The proposed permits for these operations are consistent with applicable water quality standards, effluent standards and/or treatment requirements or suitable timetables to meet these requirements (see 10 CSR 20-7.015 and 7.031). All permits will be issued for a period of five years, unless noted otherwise in the Public Notice for that discharge.

On the basis of preliminary staff review and the application of applicable standards and regulations, the Missouri Department of Natural Resources (MDNR), as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions. The proposed determinations are tentative pending public comment.

Persons wishing to comment on the proposed permit conditions are invited to submit them in writing to the Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102, ATTN: Peter Goode, P.E., Chief, NPDES Permits and Engineering Section. Please include the permit number in all comment letters.

Comments should be confined to the issues relating to the proposed action and permit(s) and the effect on water quality. The MDNR may not consider as relevant comments or objections to a permit based on issues outside the authority of the Clean Water Commission, (see Curdt v. Mo. Clean Water Commission, 586 S.W.2d 58 Mo. App. 1979).

All comments must be postmarked by November 22, 2004 or received in our office by 5:00 p.m. on November 25, 2004. The requirement of a signed document makes it impossible to accept email comments for consideration at this time. Comments will be considered in the formulation of all final determinations regarding the applications. If response to this notice indicates significant public interest, a public meeting or hearing may be held after due notice for the purpose of receiving public comment on the proposed permit or determination. Public hearings and/or issuance of the permit will be conducted or processed according to 10 CSR 20-6.020.

Copies of all draft permits and other information including copies of applicable regulations are available for inspection and copying at DNR's website, <http://www.dnr.mo.gov/wpscd/wpcp/homewpcp.htm>, or at the Department of Natural Resources, Water Protection Program, 205 Jefferson Street, P.O. Box 176, Jefferson City, Missouri 65102, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday.

Public Notice Date: October 22, 2004  
Permit Number: MO-0000493  
St. Louis Regional Office

| <b>FACILITY NAME AND ADDRESS</b>   | <b>NAME AND ADDRESS OF OWNER</b>                                  |
|--|---|
| U.S. Silica Company – Pacific Plant<br>819 East Osage<br>Pacific, MO 63069   | U.S. Silica Company<br>P.O. Box 187<br>Berkeley Springs, WV 25411 |
| <b>RECEIVING STREAM &amp; LEGAL DESCRIPTION</b>  | <b>TYPE OF DISCHARGE</b>  |
| Clear Creek (001) and Unnamed tributary to Meramec<br>River (002) (Upper Meramec River)<br>Sec. 7, T43N, R3E, St. Louis County | Industrial, reissuance  |

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION

**MISSOURI INDUSTRIAL OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 86th Congress) as amended,

Permit No.: MO-0000493

Owner: U.S. Silica Company  
Address: P.O. Box 187, Berkeley Springs, WV 25411

Continuing Authority: Same as above  
Address: Same as above

Facility Name: U.S. Silica Company – Pacific Plant  
Address: 819 East Osage, Pacific, MO 63069

Legal Description: See page 2

Receiving Stream: See page 2  
First Classified Stream and ID: See page 2  
USGS Basin & Sub-watershed No.: See page 2

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

**FACILITY DESCRIPTION**

Outfall #001 – Non-Coal Mining (Industrial Sand)/stormwater runoff/sand washing/sand quarry - SIC #1446

Settling basin/storm water runoff.

Actual flow is 0.863 MGD

Outfall #002 – Stormwater runoff – SIC #1466

Settling basin/storm water runoff.

Actual flow is 0.61 MGD

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

\_\_\_\_\_  
Effective Date

\_\_\_\_\_  
Stephen M. Mahfood, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

\_\_\_\_\_  
Expiration Date  
MO 780-0041 (10-93)

\_\_\_\_\_  
Jim Hull, Director of Staff, Clean Water Commission

LEGAL DESCRIPTION (continued)

Outfall #001: SE ¼, NE ¼, NE ¼, Sec. 7, T43N, R3E, St. Louis County  
Outfall #002: SE ¼, SE ¼, NW ¼, Sec. 7, T43N, R3E, St. Louis County

RECEIVING STREAM AND BASIN (continued)

Outfall #001: Clear Creek (Upper Meramec River) (07140102-070004)(U)  
Outfall #002: Unnamed Tributary to Meramec River (Upper Meramec River)  
(07140102-070004) (U)

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| <b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>   |         |                            |                   |                    | PAGE NUMBER 3 of 5       |                    |
|--|---------|----------------------------|-------------------|--------------------|--------------------------|--------------------|
|  |         |                            |                   |                    | PERMIT NUMBER MO-0000493 |                    |
| The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below: |         |                            |                   |                    |                          |                    |
| OUTFALL NUMBER AND EFFLUENT<br>PARAMETER(S)  | UNITS   | FINAL EFFLUENT LIMITATIONS |                   |                    | MONITORING REQUIREMENTS  |                    |
|  |         | DAILY<br>MAXIMUM           | WEEKLY<br>AVERAGE | MONTHLY<br>AVERAGE | MEASUREMENT<br>FREQUENCY | SAMPLE<br>TYPE     |
| <u>Outfall #001</u>  |         |                            |                   |                    |                          |                    |
| Flow   | MGD     | *                          |                   | *                  | once/quarter**           | 24 hr.<br>estimate |
| Total Suspended Solids   | mg/L    | 45                         |                   | 25                 | once/quarter**           | grab               |
| Settleable Solids  | mL/L/hr | 1.5                        |                   | 1.0                | once/quarter**           | grab               |
| Total Nonanionic Surfactants (Note 1)  | mg/L    | 1.0                        |                   | 1.0                | once/quarter**           | grab               |
| Surfactant used Quarterly  | lbs     | *                          |                   | *                  | once/quarter**           | report             |
| pH – Units   | SU      | ***                        |                   | ***                | once/quarter**           | grab               |
| MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE _____.  |         |                            |                   |                    |                          |                    |
| <u>Outfall #002</u>  |         |                            |                   |                    |                          |                    |
| Flow   |         |                            |                   | *                  | twice/year****           | 24 hr.<br>estimate |
| Total Suspended Solids   |         |                            |                   | 70                 | twice/year****           | grab               |
| Settleable Solids  |         | 1.5                        |                   | 1.0                | twice/year****           | grab               |
| pH – Units   | SU      | ***                        |                   | ***                | twice/year****           | grab               |
| MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE _____. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.   |         |                            |                   |                    |                          |                    |
| <b>B. STANDARD CONDITIONS</b>  |         |                            |                   |                    |                          |                    |
| IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> , STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.   |         |                            |                   |                    |                          |                    |

MO 780-0010 (8/91)

#### A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- \* Monitoring requirement only.
- \*\* Sample once per quarter on the months of March, June, September and December.
- \*\*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- \*\*\*\* Twice a year in the months of April and September.

Note 1 – Use Nonionic Surfactant Titration and 2 Phase Buret Titration method.

### C. SPECIAL CONDITIONS

1. This permit may be modified, or alternatively revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C), and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
  - (a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
  - (b) Controls any pollutant not limited in the permit.The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.
2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.
4. This permit may be reopened and modified or alternatively revoked and reissued, to incorporate new or modified effluent limitations or other conditions, if the result of a wastewater quality monitoring study, toxicity test, or other information indicates changes are necessary to ensure compliance with Missouri's Water Quality Standards.
5. Changes in Discharges of Toxic Substances  
The permittee shall notify the Director on a regular basis as reason to believe:
  - (a) That any activity has occurred or is occurring which will result in the discharge of any toxic pollutant which is not limited in the permit, if the discharge will exceed the highest of the following "notification levels:"
    - (1) One hundred micrograms per liter (100 ug/L);
    - (2) Two hundred micrograms per liter (200 ug/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
    - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
    - (4) The level established in Part A of the permit by the Director.
  - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
6. Report as no-discharge when a discharge does not occur during the report period.
7. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
  - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the water;

C. SPECIAL CONDITIONS (continued)

7. General Criteria. (continued)
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
8. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities
  - (a) Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.
  - (b) If sludge is not removed by a contract hauler, permittee is authorized to land apply biosolids. Permit Standard Conditions, Part III shall apply to the land application of biosolids. Permittee shall notify the department at least 180 days prior to the planned removal of biosolids. The department may require submittal of a biosolids management plan for department review and approval as determined appropriate on a case-by-case basis.

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